

07-19-02

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Dated: July 18, 2002

Signature: Staci Harris

(Staci Harris)

GP 1636
#5168
7/25/02
Docket No.: HO-P01949US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Frank M. Orson, et al.

Application No.: 09/827,688

Group Art Unit: 1636

Filed: April 6, 2001

Examiner: Q. Nguyen

For: MACROAGGREGATED PROTEIN
CONJUGATES AS ORAL GENETIC
IMMUNIZATION DELIVERY AGENTS

Commissioner for Patents
Washington, D.C. 20231

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TRANSMITTAL LETTER

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Response to Restriction Requirement
2. Return Post Card

Applicants do not believe that any fees are due with this filing. If however, fees are due, please charge them to Deposit Account No. 06-2375, under order no. 10004014, from which the undersigned is authorized to draw.

Dated: July 18, 2002

Respectfully submitted,

By Melissa W. Acosta

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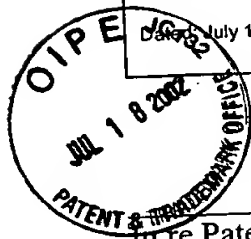
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RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the restriction requirement set forth in the Office Action mailed July 1, 2002 (Paper No. 4), Applicants hereby provisionally elect Group I, claims 1-42 for continued examination. Claims 1-42 are drawn to a composition comprising an expression vector bound to an aggregated protein-polycationic polymer conjugate; methods of inducing an immune response in an organism comprising the step of administering to an organism the same composition; a method of introducing genes into a cell comprising the steps of forming a DNA particle comprising an expression vector bound to an aggregated protein-polymer conjugate and incubating the cells with the DNA particle under conditions wherein the cell take in the DNA particle; a method for producing a DNA vaccine comprising the step of incubating an expression vector with an aggregated protein-polycationic polymer conjugate, and a method of treating a condition in an organism using the same DNA vaccine.

The Examiner has also required a species election. In response to the species election, Applicants hereby elect the following species: infectious disease as an antigen; virus as a pathogenic genome; HIV as a viral genome; gastrointestinal as a mucosal surface; and subcutaneous as the parenteral administration route.

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